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Henry C. Thacher

April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf](#)Additional Information: [full citation](#)

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**22** Algorithm 42: invert

T. C. Wood

April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf](#)Additional Information: [full citation](#)

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**23** Algorithms 41: Evaluation of determinant

Josef G. Solomon

April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf](#)Additional Information: [full citation](#), [references](#), [citations](#)

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J. R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf](#)Additional Information: [full citation](#), [references](#)

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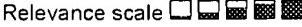
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**1** Further survey of punched card codes   
 H. McG. Ross  
 April 1961 **Communications of the ACM**, Volume 4 Issue 4  
 Full text available:  pdf(148.33 KB) Additional Information: full citation, abstract  
 The valuable "Survey of Punched Card Codes" prepared by Smith and Williams (Comm. ACM 3, Dec. 1960, 638) unfortunately omits the card codes of European equipment, other than IBM. These are presented in the table on page 181. This information has been extracted from a Ferranti publication, "Collected Information on Punched Card Codes" (List CS 266) and has been set out in much the same way as the table by Smith and Williams.

**2** Certification of algorithm 43: CROUT II   
 Henry C. Thacher  
 April 1961 **Communications of the ACM**, Volume 4 Issue 4  
 Full text available:  pdf(148.33 KB) Additional Information: full citation

**3** Certification of algorithm 20: real exponential integral   
 William J. Alexander  
 April 1961 **Communications of the ACM**, Volume 4 Issue 4  
 Full text available:  pdf(148.33 KB) Additional Information: full citation

**4** Certification of algorithm 13: Legendre polynomial   
 John Herndon  
 April 1961 **Communications of the ACM**, Volume 4 Issue 4  
 Full text available:  pdf(670.53 KB) Additional Information: full citation

**5** Certification of algorithm 10: Chebyshev polynomial Tn   
 John Herndon  
 April 1961 **Communications of the ACM**, Volume 4 Issue 4  
 Full text available:  pdf(670.53 KB) Additional Information: full citation

**6 Certification of algorithm 3: solution of polynomial equation by Barstow-Hitchcock**

John Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf\(570.53 KB\)](#) Additional Information: [full citation](#)**7 Remark on frequently occurring errors in Algol-60 programs**

W. Börsch-Supan

April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf\(570.53 KB\)](#) Additional Information: [full citation](#)**8 Algorithm 57: SER or BEI function**

John R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf\(570.53 KB\)](#) Additional Information: [full citation, references](#)**9 Algorithm 56: complete elliptic integral of the second kind**

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April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf\(570.53 KB\)](#) Additional Information: [full citation](#)**10 Algorithm 55: complete elliptic integral of the first kind**

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John R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4Full text available: [pdf\(570.53 KB\)](#) Additional Information: [full citation](#)**13 Algorithm 52: a set of test matrices**

John R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4

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- 14 Algorithm 51: adjust inverse of a matrix when an element is perturbed

John R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4

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- 15 Algorithm 50: inverse of a finite segment of the Hilbert matrix

John R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4

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- 16 Algorithm 48: logarithm of a complex number

John R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4

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- 17 Algorithm 47: associated Legendre functions of the first kind for real or imaginary arguments

John R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4

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- 18 Algorithm 46: exponential of a complex number

John R. Herndon

April 1961 **Communications of the ACM**, Volume 4 Issue 4

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- 19 Algorithm 45: interest

Peter Z. Ingerman

April 1961 **Communications of the ACM**, Volume 4 Issue 4

Full text available:  pdf(570.53 KB) Additional Information: [full citation](#), [references](#)



- 20 Algorithm 44: Bessel Functions computed recursively

Maria E. Wojcicki

April 1961 **Communications of the ACM**, Volume 4 Issue 4

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P. Naur

January 1963 **Communications of the ACM**, Volume 6 Issue 1Full text available:  pdf(434.16 KB) Additional Information: full citation, citations**2 META5: A tool to manipulate strings of data**

David K. Oppenheim, Daniel P. Haggerty

January 1966 **Proceedings of the 1966 21st national conference**Full text available:  pdf(305.22 KB) Additional Information: full citation, abstract, references, index terms

The process of producing compilers or similar programs containing complex symbol-manipulation algorithms has become increasingly important to the computing community. The development of techniques to simplify the task of producing this kind of program is clearly desirable. In this paper we describe one of the techniques that was investigated to realize this goal; namely, the use of a metacompiler (or "compiler-compiler") to produce new compilers. At the time the initi ...

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